

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****000000392364**Version Number 1.0  
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Print Date 8/25/2012**1. PRODUCT AND COMPANY IDENTIFICATION****POLYONE CORPORATION**  
33587 Walker Road, Avon Lake, OH 44012Telephone : 1 (440) 930-1000 or 1 (866) POLYONE  
Emergency telephone : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**Product name : 000000392364  
Product code : CC10033293  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications**2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS**

Components	CAS-No.	Weight percent
1-Propanamine, 3-(triethoxysilyl)-	919-30-2	60 - 100
Ethyl alcohol	64-17-5	0.1 - 1

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture. May be harmful if inhaled. Harmful if swallowed. May cause skin irritation. Vapors may be irritating to eyes and respiratory tract.

**POTENTIAL HEALTH EFFECTS****Routes of Exposure:** : Inhalation, Ingestion, Eyes, Skin contact**Acute exposure**Inhalation : Excessive inhalation of product vapors may cause respiratory irritation.  
Ingestion : May be harmful if swallowed. This product hydrolyses in the stomach to form alcohols.  
Eyes : May irritate eyes.  
Skin : May cause irritation, local redness and possible swelling.**Chronic exposure** : Refer to Section 11 for Toxicological Information.

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**Medical Conditions Aggravated by Exposure:** : Individuals with chronic respiratory disorders (i.e. asthma, chronic bronchitis, etc.) may be adversely affected by any airborne contaminant.

**4. FIRST AID MEASURES**

**Inhalation** : Remove to fresh air. Seek medical attention after significant exposure.

**Ingestion** : Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt seek medical advice. If conscious, drink plenty of water.

**Eyes** : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.

**Skin** : Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

**5. FIRE-FIGHTING MEASURES**

**Flash point** : not determined

**Flammable Limits**  
Upper explosion limit : not determined  
Lower explosion limit : not determined  
Autoignition temperature : not determined  
Suitable extinguishing media : Carbon dioxide blanket, Water spray, Dry powder, Foam.

**Special Fire Fighting Procedures** : Flammable gas. Vapors are heavier than air and may travel to a source of ignition and flash back. Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

**Unusual Fire/Explosion Hazards** : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible. silicone oxides (SiO<sub>x</sub>) Tin oxide fumes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

**Environmental precautions** : Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.

**Methods for cleaning up** : Soak up with inert absorbent material and dispose of as hazardous waste. Package all material in appropriate container for disposal.

**7. HANDLING AND STORAGE**

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Handling : Keep away from fire, sparks and heated surfaces. Do not use sparking tools. Avoid inhalation of vapour.

Storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place. Keep away from heat. Excessive storage temperature and humidity can degrade product performance. Store below 149 °F (65 °C).

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection : In high vapour concentrations, use respiratory protection with independent air supply.

Eye/Face Protection : Safety glasses with side-shields Safety goggles Eye wash bottle with pure water

Hand protection : Protective gloves

Skin and body protection : Long sleeved clothing

Additional Protective Measures : Safety shoes

General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Engineering measures : Provide adequate ventilation.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Ethyl alcohol	1,000 ppm 1,900 mg/m3	PEL:		OSHA Z1
	1,000 ppm 1,900 mg/m3	Time Weighted Average (TWA):		MX OEL
	1,000 ppm	Short Term Exposure Limit (STEL):		ACGIH

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : solid  
Evaporation rate : Not established

Appearance : Solids containing flammable liquid  
Specific Gravity : Not determined

Colour : NO PIGMENT  
Bulk density : not determined

Odour : Ester-like odor  
Vapour pressure : not determined

Melting point/range : not determined  
Vapour density : Heavier than air.

Boiling Point: : not determined  
pH : not determined

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Water solubility : Reacts slowly.

**10. STABILITY AND REACTIVITY**

Stability : Stable under recommended storage and handling conditions (see section 7).

Hazardous Polymerization : May occur.

Conditions to avoid : Exposure to moisture. Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.

Incompatible Materials : Strong acids, Oxidizing agents, Reducing agents, Water

Hazardous decomposition products : Tin oxide fumes. silicone oxides (SiOx) Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

**11. TOXICOLOGICAL INFORMATION**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
919-30-2	1-Propanamine, 3-(triethoxysilyl)-	Systemic effects	Liver, central nervous system (CNS).
		Corrosive	Skin.
64-17-5	Ethyl alcohol	Systemic effects	Liver, heart or circulatory system, central nervous system (CNS), reproductive system.

**LC50 / LD50**

This product contains the following components which, in their pure form, have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
919-30-2	1-Propanamine, 3-(triethoxysilyl)-	Oral LD50 Dermal LD50	1,780 mg/kg 4 ml/kg	rat rabbit
64-17-5	Ethyl alcohol	LC50 LC50 Oral LD50Oral LD50	20000 ppm 3,450 mg/kg3,450 mg/kg	rat rat mouse

**Carcinogenicity**

This product contains the following components which, in their pure form, have the following carcinogenicity data:

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CAS-No.	Chemical Name	OSHA	IARC	NTP
64-17-5	Ethyl alcohol	no	1	no

## IARC Carcinogen Classifications:

- 1 - The component is carcinogenic to humans.
- 2A - The component is probably carcinogenic to humans.
- 2B - The component is possibly carcinogenic to humans.

## NTP Carcinogen Classifications:

- 1 - The component is known to be a human carcinogen.
- 2 - The component is reasonably anticipated to be a human carcinogen.

**12. ECOLOGICAL INFORMATION**

- Persistence and degradability : Not readily biodegradable.
- Environmental Toxicity : There is no data available for this product.
- Bioaccumulation Potential : no data available
- Additional advice : not applicable

**13. DISPOSAL CONSIDERATIONS**

- Product : The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.
- Contaminated packaging : The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

**14. TRANSPORT INFORMATION**

- U.S. DOT Classification
- Proper Shipping Name:
- Technical Name: 3-aminopropyltriethoxysilane
- Hazard Class / Division 8
- UN Number
- Packing Group II
- Label Required 8
- ICAO/IATA Refer to specific regulation.
- IMO/IMDG (maritime) Refer to specific regulation.

**15. REGULATORY INFORMATION**

US Regulations:

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OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on or exempt from the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

California Proposition 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.

SARA Title III Section 302 Extremely Hazardous Substance

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

SARA Title III Section 313 Toxic Chemicals:

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

not applicable

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

CAS-No.
64-17-5

DSL : All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:

Australia AICS : Listed

China IECS : Listed

Europe EINECS : Listed

Japan ENCS : Listed

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Korea KECI : Listed

Philippines PICCS : Listed

**16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.